

with a plurality of infusion sets having distal connectors of differing dimensions, the enteral feeding adapter comprising:

an adapter body containing at least a first port configured for receiving a distal connector of an infusion set, the first port having at least one deformable arcuate sidewall for frictionally engaging the distal connector to sealingly secure the distal connector to the adapter body, the at least one deformable arcuate sidewall defining a portion of a passageway through the first port; and

a tube extending between the first port and the medical feeding device for transmitting substances that pass through the first port to the medical device.

2. (Amended) The enteral feeding adapter according to claim 1, further comprising a second port configured for injection of medication therethrough into the tube.

3. The enteral feeding adapter according to claim 1, wherein the at least one arcuate sidewall has a radius of curvature between about 0.18 inches and 0.55 inches.

4. The enteral feeding adapter according to claim 3, wherein the radius of curvature of the at least one arcuate sidewall is between about 0.18 inches and 0.22 inches.

5. The enteral feeding adapter according to claim 4, wherein the radius of curvature of the at least one arcuate sidewall is about 0.20 inches.

6. The enteral feeding adapter according to claim 3, wherein the radius of curvature of the least one arcuate sidewall is between about 0.22 and 0.24 inches.

7. The enteral feeding adapter according to claim 6, wherein the radius of curvature of the at least one arcuate sidewall is about 0.23 inches.

8. The enteral feeding adapter according to claim 3, wherein the radius of curvature of the at least one arcuate sidewall is between about 0.45 and 0.55 inches.

9. The enteral feeding adapter according to claim 8, wherein the radius of curvature of the at least one arcuate sidewall is 0.50 inches.

10. The enteral feeding port according to claim 1, wherein the at least one arcuate sidewall defines a proximal portion of the first port, and wherein the first port further includes a second arcuate sidewall.

11. The enteral feeding port according to claim 10, wherein the second arcuate sidewall is disposed distally of the first arcuate sidewall.

12. The enteral feeding port according to claim 10, wherein the first arcuate sidewall has a radius of curvature between about 0.45 and 0.55 inches and wherein the second arcuate sidewall has a radius of curvature between about 0.22 and 0.24 inches.

13. The enteral feeding port according to claim 10, wherein the first port further includes a cylindrical section disposed proximally of the first arcuate sidewall and the second arcuate sidewall.

14. The enteral feeding adapter according to claim 10, wherein the first port further includes a cylindrical portion distal of the first arcuate sidewall and proximal of the second arcuate sidewall.

15. The enteral feeding adapter according to claim 10, wherein the first port further includes a third arcuate sidewall distal of the second arcuate sidewall.

16. The enteral feeding adapter according to claim 15, wherein the first arcuate sidewall has a radius of curvature of between about 0.45 and 0.55 inches, wherein the second arcuate sidewall has a radius of curvature of between about 0.22

and 0.24 inches and wherein the third arcuate sidewall has a radius of curvature of between about 0.18 and 0.22 inches.

17. The enteral feeding adapter according to claim 15, wherein the first arcuate sidewall has a varying diameter between about 0.330 and 0.220 inches, wherein the second arcuate sidewall has a varying diameter between 0.220 and 0.153 inches, and wherein the third arcuate sidewall has a varying diameter between 0.153 and 0.127 inches.

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18. (Amended) An enteral feeding adapter configured for receiving a distal end of an infusion set and for communicating with a medical feeding device to transmit substances into a patient, the enteral feeding adapter comprising:

an adapter body having a first port, the first port having at least a cylindrical first section and a second section defined by a first arcuate sidewall disposed distally of the first section, the first arcuate sidewall being deformable and configured to frictionally engage the distal end of the infusion set, the first arcuate sidewall defining a portion of a passageway through the first port; and

a tube extending between the adapter body and the medical device for transmitting the substances from the infusion set to the medical feeding device and thereafter into the patient.

19. The enteral feeding adapter according to claim 18, wherein a diameter of the second section decreases from a proximal end of the second section to a distal end of the second section.

20. The enteral feeding adapter according to claim 18, wherein the first port further includes a third section disposed adjacent to the second section, the third section being defined by a second arcuate sidewall.

21. The enteral feeding adapter according to claim 20, wherein the first section, second section, and third section form a distally extending channel having an increasingly smaller diameter.

22. The enteral feeding adapter according to claim 20, wherein the first port further includes a fourth section disposed adjacent to the third section, the fourth section being defined at least partially by a third arcuate sidewall.

23. The enteral feeding adapter according to claim 22, wherein the first arcuate sidewall has a radius of curvature between about 0.45 and 0.55 inches, wherein the second arcuate sidewall has a radius of curvature between about 0.22 and 0.24 inches, and wherein the third arcuate sidewall has a radius of curvature between about 0.18 and 0.22 inches.

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